PUMP SPECIFICATIONS
FX 10.10

THERMOPLASTIC FLEX-I-LINER® FX SEALESS PERISTALTIC-TYPE ROTARY PUMP

- **GENERAL**

  Pumps to be close coupled or pedestal mounted sealless and self-priming, with all wetted components of nonmetallic rigid or elastomeric materials. Flows to 40 GPM ($9m^3$/hr). Pressures to 45 psig (310 kPa). Temperatures to 250°F (121ºC).

- **PUMP BODY (CASING)**

  Molded or precision machined Teflon® (PTFE), polypropylene, Ultra High Molecular Weight Polyethylene (UHMW PE).

- **FLEXIBLE LINER**

  To be precision molded free standing, field replaceable component made of natural or synthetic elastomeric materials such as natural rubber, Neoprene®, Buna-N, Hypalon®, Viton®, or Nordel®.

- **SEALLESS DESIGN CONFIGURATION**

  Assembly to be free from shaft seals, stuffing boxes, internal valves, glands or gaskets. Pump body and flexible liner to be the only components in contact with the fluid contained in the channel formed by the inner surface of the thermoplastic pump body and outer surface of the liner.

- **PUMPING ACTION**

  Fluid movement to be accomplished by rotor mounted on an eccentric shaft as creating a squeegee acion withing the flexible liner on the fluid trapped between the outer surface of the liner and the inner surface on the pump body. The shaft, rotor and bearings to be completely isolated from the fluid. Pump to be suitable for operating tin either direction, in any position, or for dry running. Gentle pumping action should minimize foaming, prevent settling out of suspensions permit handling of latex emulsions or other shear-sensitive liquids.

- **FACTORY TESTING**

  Each pump to be tested to assure performance at conditions of service. Test data to be permanently recorded and retrievable on request.

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